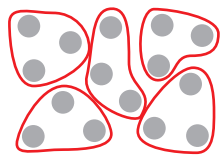

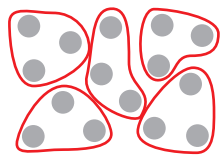

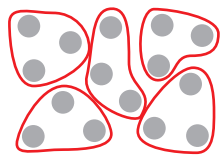

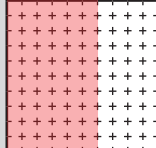
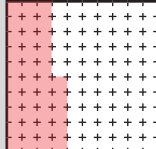
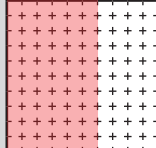
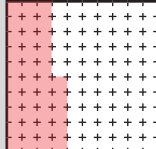
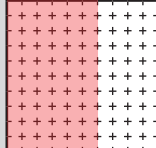
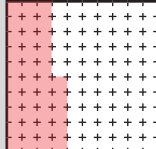
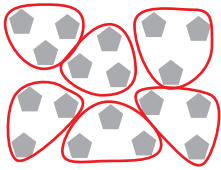
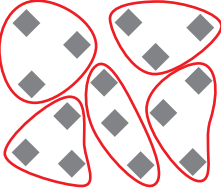
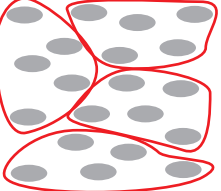

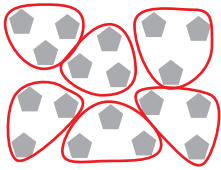
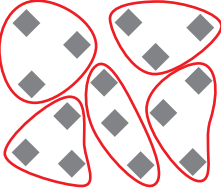
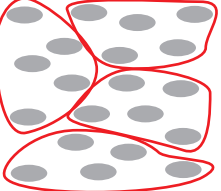

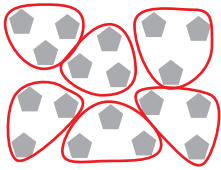
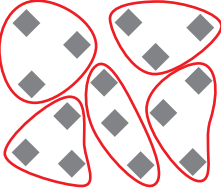
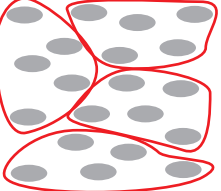

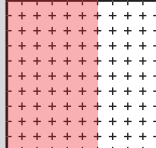
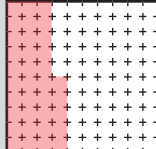
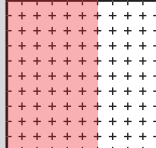
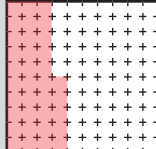
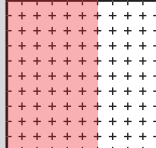
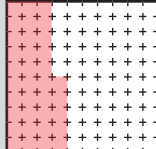


NAME _____

MENTAL MATHS	ADDITION & SUBTRACTION			MULTIPLICATION & DIVISION		
	$6 + 7 = 13$	$13 + 6 = 19$	$23 - 6 = 17$	$2 \times 9 = 18$	$2 \times 15 = 30$	$21 \div 3 = 7$
	$8 + 4 = 12$	$15 + 5 = 20$	$17 - 14 = 3$	$7 \times 2 = 14$	$2 \times 25 = 50$	$9 \div 3 = 3$
	$5 + 4 = 9$	$16 + 6 = 22$	$24 - 17 = 7$	$2 \times 12 = 24$	$2 \times 13 = 26$	$30 \div 3 = 10$
	$8 + 7 = 15$	$19 + 8 = 27$	$19 - 14 = 5$	$2 \times 8 = 16$	$2 \times 16 = 32$	$12 \div 3 = 4$
$9 + 10 = 19$	$15 + 16 = 31$	$22 - 7 = 15$	$6 \times 2 = 12$	$2 \times 50 = 100$	$18 \div 3 = 6$	

NUMBER & ALGEBRA	NUMBER & PLACE VALUE		FRACTIONS & DECIMALS								
	<p>1 a. Work out the missing numbers. Write the answers.</p> <table border="1"> <tr> <td>$16 + 6 = 22$ $9 + 7 + 6$ $9 + 13 = 22$</td> <td>$9 - 4 = 5$ $15 - 6 - 4$ $15 - 2 = 13$</td> </tr> <tr> <td>$20 \times 3 = 60$ $4 \times 5 \times 3$ $4 \times 15 = 60$</td> <td>$4 \div 2 = 2$ $32 \div 8 \div 2$ $32 \div 4 = 8$</td> </tr> </table>		$16 + 6 = 22$ $9 + 7 + 6$ $9 + 13 = 22$	$9 - 4 = 5$ $15 - 6 - 4$ $15 - 2 = 13$	$20 \times 3 = 60$ $4 \times 5 \times 3$ $4 \times 15 = 60$	$4 \div 2 = 2$ $32 \div 8 \div 2$ $32 \div 4 = 8$	<p>2 Loop groups to show the fraction. Write a number sentence to show your thinking.</p> <table border="1"> <tr> <td> $\frac{1}{5}$ of 15 is 3 because $5 \times 3 = 15$</td> <td> $\frac{1}{4}$ of 20 is 5 because $4 \times 5 = 20$</td> </tr> </table>		 $\frac{1}{5}$ of 15 is 3 because $5 \times 3 = 15$	 $\frac{1}{4}$ of 20 is 5 because $4 \times 5 = 20$	
	$16 + 6 = 22$ $9 + 7 + 6$ $9 + 13 = 22$	$9 - 4 = 5$ $15 - 6 - 4$ $15 - 2 = 13$									
	$20 \times 3 = 60$ $4 \times 5 \times 3$ $4 \times 15 = 60$	$4 \div 2 = 2$ $32 \div 8 \div 2$ $32 \div 4 = 8$									
	 $\frac{1}{5}$ of 15 is 3 because $5 \times 3 = 15$	 $\frac{1}{4}$ of 20 is 5 because $4 \times 5 = 20$									
<p>b. Write what you notice. *</p> <p>You can multiply or add numbers in any order and still get the same answer.</p>		<p>3 Complete the parts to match.</p> <table border="1"> <tr> <td></td> <td>$= \frac{6}{10} = \frac{60}{100} = 0.6 = 60\%$</td> </tr> <tr> <td></td> <td>$= \frac{7}{20} = \frac{35}{100} = 0.35 = 35\%$</td> </tr> </table>			$= \frac{6}{10} = \frac{60}{100} = 0.6 = 60\%$		$= \frac{7}{20} = \frac{35}{100} = 0.35 = 35\%$				
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$16 + 6 = 22$ $9 + 7 + 6$ $9 + 13 = 22$	$9 - 4 = 5$ $15 - 6 - 4$ $15 - 2 = 13$										
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 $\frac{1}{6}$ of 18 is 3 because $6 \times 3 = 18$	 $\frac{2}{5}$ of 15 is 6 because $5 \times 3 = 15$ and $2 \times 3 = 6$										
 $\frac{3}{4}$ of 20 is 15 because $4 \times 5 = 20$ and $3 \times 5 = 15$	 $\frac{5}{6}$ of 18 is 15 because $6 \times 3 = 18$ and $5 \times 3 = 15$										
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	$= \frac{6}{10} = \frac{60}{100} = 0.6 = 60\%$										
	$= \frac{7}{20} = \frac{35}{100} = 0.35 = 35\%$										

i Think multiplication when finding a unit fraction of a quantity. For example, when you see $\frac{1}{8}$ of 24 think $\frac{1}{8}$ of 24 is 3 because 8×3 is 24.

* Answers will vary. This is one example.

USING UNITS OF MEASUREMENT

4 Show the time on the analogue and digital clocks.

10 minutes to 6	24 minutes to 3	4 minutes to 9
5:50	2:36	8:56

SHAPE

5 Connect each triangle to its matching label.

equilateral isosceles scalene

GEOMETRIC REASONING

6 Draw a quadrilateral to match each label.

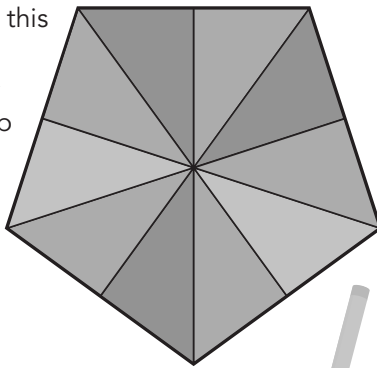
2 acute angles and 2 obtuse angles	3 acute angles and 1 obtuse angle
2 right angles, 1 acute and 1 obtuse angle	2 acute angles, 1 obtuse and 1 right angle

CHANCE *

7 Imagine you used this spinner 20 times.

a. Predict how many times it would stop on each colour.

- Blue 10
- Green 4
- Red 6



b. Write a common fraction that shows the chance of spinning each colour.

- Blue $\frac{5}{10}$
- Green $\frac{2}{10}$
- Red $\frac{3}{10}$

c. Write a fraction to match each event.

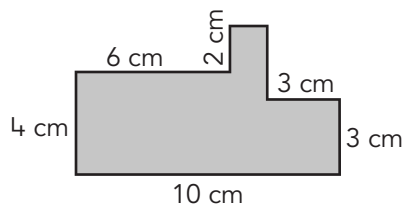
- Spinning blue or red $\frac{8}{10}$
- Spinning red or green $\frac{5}{10}$
- Not spinning red $\frac{7}{10}$
- Not spinning blue or green $\frac{3}{10}$

d. Use a pencil and paperclip with the spinner. Make 20 spins and record the results in this table.

Colour	Tally	Total
Blue		9
Green		5
Red		6

What is the perimeter of this shape?

- 32 cm
- 30 cm
- 28 cm
- 35 cm



Colour one bubble.

PARENT/CARER SIGNATURE _____

ADDITION & SUBTRACTION

$5 + 8 = 13$	$16 + 6 = 22$	$14 - 9 = 5$
$6 + 9 = 15$	$18 + 8 = 26$	$13 - 5 = 8$
$3 + 9 = 12$	$17 + 6 = 23$	$11 - 5 = 6$
$7 + 4 = 11$	$17 + 5 = 22$	$12 - 7 = 5$
$8 + 7 = 15$	$9 + 12 = 21$	$13 - 7 = 6$

MULTIPLICATION & DIVISION

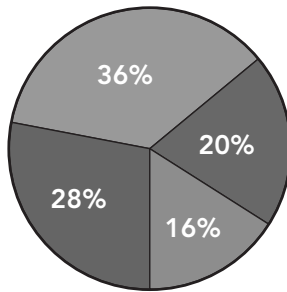
$3 \times 9 = 27$	$3 \times 20 = 60$	$16 \div 4 = 4$
$3 \times 5 = 15$	$3 \times 25 = 75$	$28 \div 4 = 7$
$3 \times 2 = 6$	$3 \times 12 = 36$	$8 \div 4 = 2$
$3 \times 10 = 30$	$3 \times 22 = 66$	$40 \div 4 = 10$
$3 \times 1 = 3$	$3 \times 15 = 45$	$24 \div 4 = 6$

FRACTIONS & DECIMALS

- 1 Different-sized bags contain coloured marbles. Write the number of each colour.

	Total number of marbles			
	100	200	50	500
20% are black	20	40	10	100
40% are red	40	80	20	200
30% are blue	30	60	15	150
10% are green	10	20	5	50

- 2 This pie chart shows the percentage of coloured hair bands in any size packet. Use this data to complete these tables.



a.	Size of pack				
Number of purple hair bands	100	200	50	150	500
	28	56	14	42	140

b.	Size of pack				
Number of red hair bands	100	200	50	150	500
	16	32	8	24	80

c.	Size of pack				
Number of blue hair bands	100	200	50	150	500
	20	40	10	30	100

d.	Size of pack				
Number of green hair bands	100	200	50	150	500
	36	72	18	54	180

PATTERNS & ALGEBRA

- 3 Follow the order of operations to solve these.

$6 + 18 \div 3 = 12$	$20 - 5 \times 3 = 5$
$3 \times 7 - 4 \times 4 = 5$	$24 - 7 + 5 = 18$
$20 \div 4 + 3 \times 4 = 17$	$6 \times 4 + 6 = 30$

- 4 Write a number sentence then the answer.

Ruby had \$25 and was given another \$20. She then bought 4 cards for \$6 each. How much does she have left?

$$\$25 + \$20 - 4 \times \$6 = \$21$$

Max received \$12 pocket money each week for 6 weeks. He then bought a DVD for \$35. How much does he have left?

$$\$12 \times 6 - \$35 = \$37$$

Grace bought 6 presents that cost \$15 each. How much change does she have from \$100?

$$\$100 - 6 \times \$15 = \$10$$

Tom had \$18 then received another 3 gifts of \$15 each. How much does he have altogether?

$$\$18 + 3 \times \$15 = \$63$$

Mrs Hays shared \$24 equally among Lily and her 3 sisters. She then gave Lily an extra \$10 for doing more chores. How much did she give Lily in total?


$$\$24 \div 3 + \$10 = \$18$$



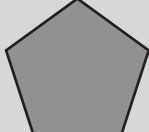
If there is **more than one operation** in a sentence, work left to right in this order: inside the brackets then multiply or divide pairs of numbers then add or subtract pairs of numbers.

USING UNITS OF MEASUREMENT


5 These polygons have all sides equal. Use the perimeter to calculate the length of each side.




Perimeter = 81 mm
Length of one side
= **27** mm



Perimeter = 75 mm
Length of one side
= **15** mm



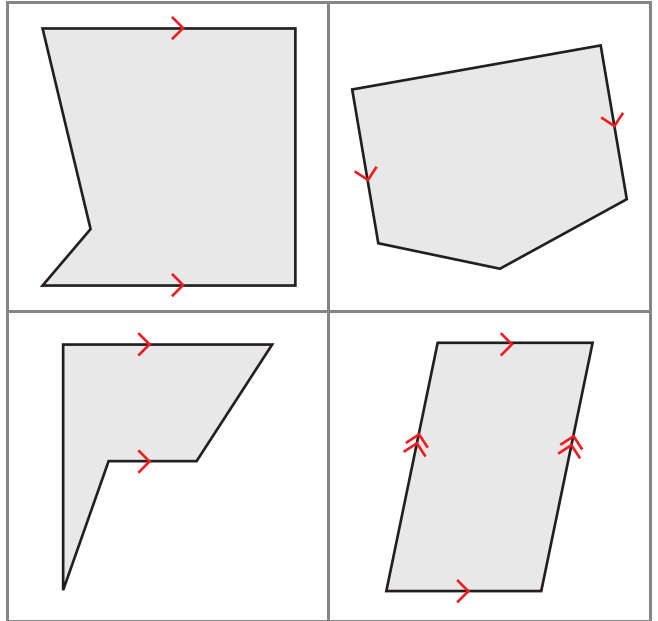
Perimeter = 96 mm
Length of one side
= **12** mm



Perimeter = 108 mm
Length of one side
= **18** mm

SHAPE

6 Mark each pair of parallel lines with arrow symbols. (You can use a ruler and right-angle tester.)



DATA REPRESENTATION & INTERPRETATION

7 This picture shows how many people attended a school concert.



a. What do you need to know?

What does each 😊 mean?

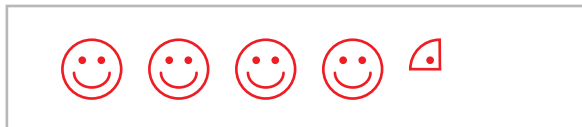
b. If 70 people attended, what does 😊 represent?

😊 = **20** people

c. Show how you would represent 110 people.



d. Show how you would represent 85 people.



8 a. This tally chart shows the number of cars in a school car park. Write the totals.

Day	Tally	Total
Monday		32
Tuesday		28
Wednesday		36
Thursday		26
Friday		30

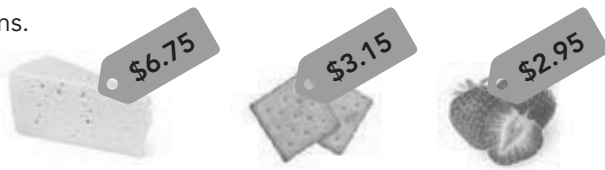
b. Complete this picture graph to show the above data.


Title: **Cars in Car Park** 🚗 = 8 cars

Day	Monday	Tuesday	Wednesday	Thursday	Friday			
Monday	🚗🚗🚗🚗							
Tuesday	🚗🚗🚗	🚗						
Wednesday	🚗🚗🚗🚗	🚗						
Thursday	🚗🚗🚗	🚗						
Friday	🚗🚗🚗	🚗						

Peter used a \$20 note to buy these 3 items. How much change will he get?

- \$8.00
- \$8.15
- \$12.85
- \$7.15



Colour one bubble. 

PARENT/CARER SIGNATURE _____

ADDITION & SUBTRACTION

$5 + 6 = 11$	$12 + 6 = 18$	$18 - 13 = 5$
$9 + 7 = 16$	$5 + 16 = 21$	$14 - 7 = 7$
$4 + 8 = 12$	$11 + 7 = 18$	$19 - 14 = 5$
$8 + 6 = 14$	$13 + 9 = 22$	$20 - 11 = 9$
$9 + 8 = 17$	$6 + 16 = 22$	$15 - 6 = 9$

MULTIPLICATION & DIVISION

$3 \times 4 = 12$	$11 \times 4 = 44$	$15 \div 5 = 3$
$4 \times 8 = 32$	$4 \times 25 = 100$	$40 \div 5 = 8$
$4 \times 6 = 24$	$4 \times 12 = 48$	$10 \div 5 = 2$
$5 \times 4 = 20$	$15 \times 4 = 60$	$35 \div 5 = 7$
$4 \times 1 = 4$	$150 \times 4 = 600$	$20 \div 5 = 4$

FRACTIONS & DECIMALS

- 1 Use all these digits.
Make these numbers.

4	0	7	1	2
---	---	---	---	---

- Greatest number possible
- Least number possible
- A number as close as possible to 120
- A number as close as possible to 600

7 4 2 . 0 1

1 0 2 . 4 7

1 2 0 . 4 7

7 0 1 . 2 4

- 2 Write these numbers in words.

2.06

two and six-hundredths

14.7

fourteen and seven-hundredths

0.82

eighty-two hundredths

305.16

three hundred and five and sixteen-hundredths

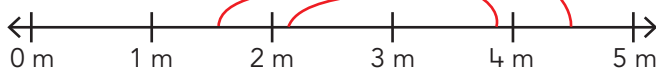
- 3 Draw lines to show these distances on the number line.

3.95 m

4.45 m

1.6 m

2.07 m



- 4 Write > or < to complete these.

2.6 < 3.1

1.19 > 1.08

4.65 < 4.7

16.2 > 15.25

2.81 > 2.09

3.4 > 3.08

- 5 Write these in order from greatest to least.

5.6

4.08

4.7

5.35

5.04

5.6

5.35

5.04

4.7

4.08

MONEY & FINANCIAL MATHEMATICS

- 6 Work out the cost of one item. Split the total cost into 2 amounts that are easier to divide.

3 for \$126



\$ 42

5 for \$235



\$ 47

7 for \$154



\$ 22

9 for \$234



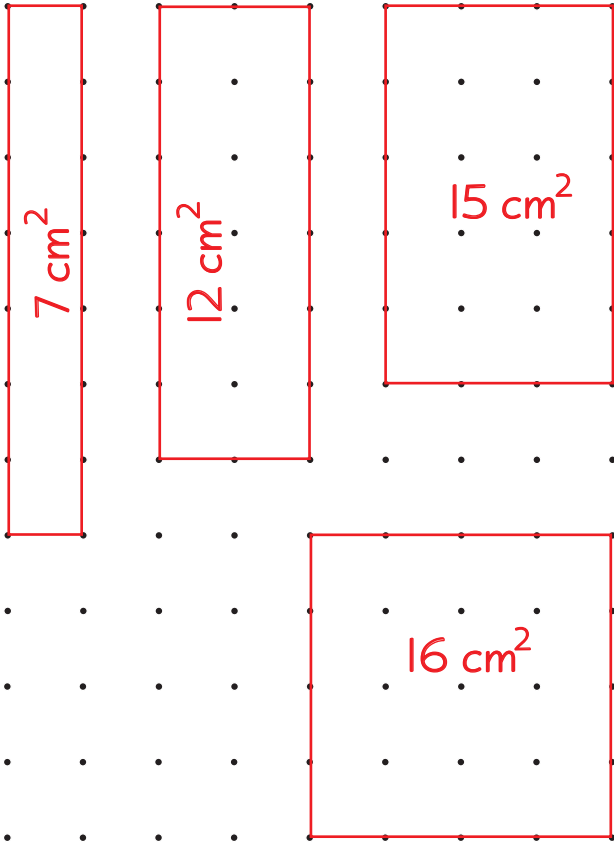
\$ 26



When comparing and ordering numbers, always look at the digit in the greatest place first.

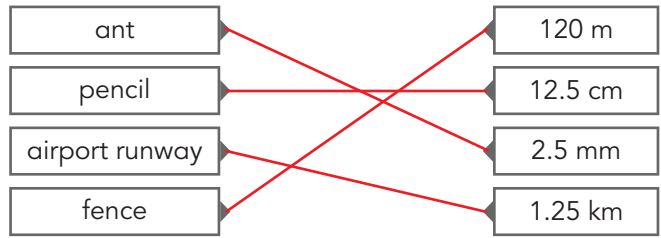
USING UNITS OF MEASUREMENT

7 a. Draw all the different oblongs that have a perimeter of 16 cm. (Each length and width must be whole centimetres.)



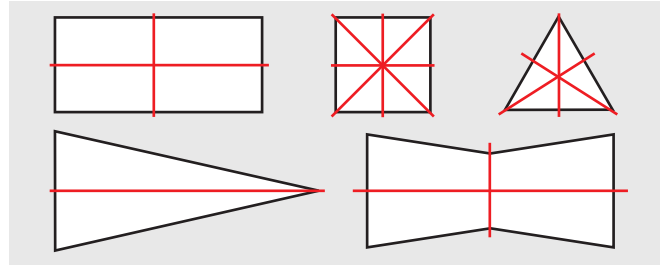
b. Calculate and write the area inside each oblong.

8 Match each item to a sensible length.

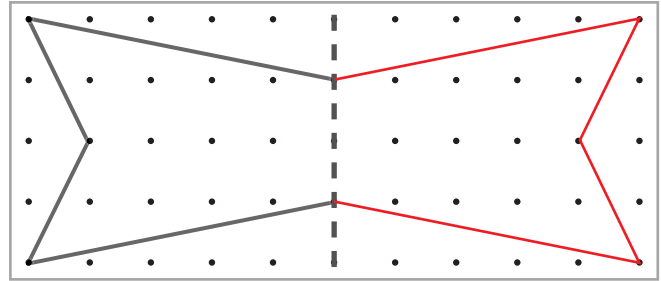


LOCATION & TRANSFORMATION

9 Draw all the lines of symmetry on each shape.



10 Draw the other half of this shape to show reflective symmetry.



CHANCE

11 When you roll a regular die what is the chance of rolling these?



6	$\frac{1}{6}$	3	$\frac{1}{6}$
an odd number	$\frac{3}{6}$	a number greater than 3	$\frac{3}{6}$
a square number	$\frac{2}{6}$	a number greater than 6	$\frac{0}{6}$

a number less than 7

$$\frac{6}{6}$$

a triangular number

$$\frac{3}{6}$$

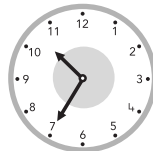
12 a. Imagine you roll a die 30 times. Predict how many times each number would appear.

	1	2	3	4	5	6
Prediction						
Tally						

b. Roll the die 30 times. Use tallies to record your results in the table above.

What time does this clock show?

- 11:35 10:07 7:10 10:35



Colour one bubble.



PARENT/CARER SIGNATURE _____

MENTAL MATHS

ADDITION & SUBTRACTION

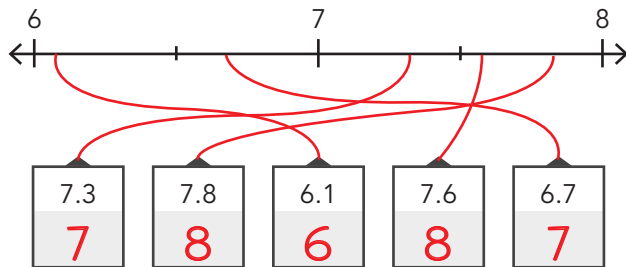
$5 + 6 = 11$	$11 + 13 = 24$	$24 - 7 = 17$
$8 + 4 = 12$	$6 + 16 = 22$	$17 - 11 = 6$
$7 + 10 = 17$	$17 + 7 = 24$	$23 - 8 = 15$
$4 + 9 = 13$	$15 + 12 = 27$	$26 - 18 = 8$
$8 + 11 = 19$	$15 + 25 = 40$	$30 - 14 = 16$

MULTIPLICATION & DIVISION

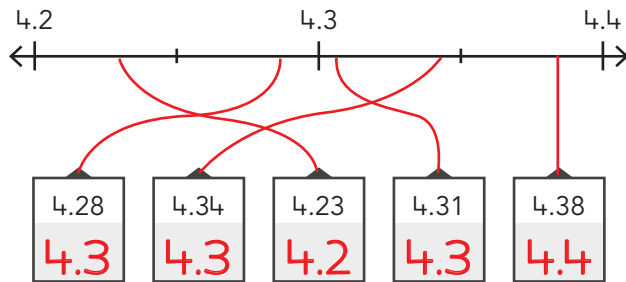
$5 \times 9 = 45$	$5 \times 8 = 40$	$18 \div 6 = 3$
$5 \times 7 = 35$	$5 \times 3 = 15$	$36 \div 6 = 6$
$5 \times 2 = 10$	$5 \times 5 = 25$	$54 \div 6 = 9$
$5 \times 4 = 20$	$5 \times 6 = 30$	$48 \div 6 = 8$
$5 \times 10 = 50$	$0 \times 5 = 0$	$42 \div 6 = 7$

FRACTIONS & DECIMALS

- 1 a. Draw a line to show each decimal on the number line. Then write the closest **whole number**.



- b. Draw lines to show these on the number line. Then round each decimal to the nearest **tenth**.



- 2 Write the decimal in words.



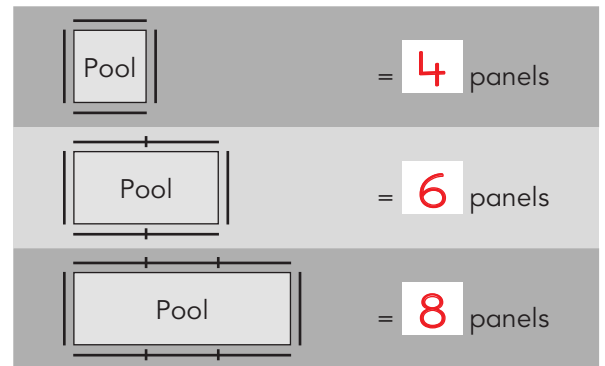
five hundred and thirty-nine thousandths



eight hundred and sixty-two thousandths

PATTERNS & ALGEBRA

- 3 a. How many panels of fencing are needed to surround each pool?



- b. Complete this rule for finding the number of panels needed for a pool of any length.

Number of panels = Pool length \times 2 + 2

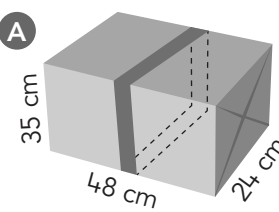
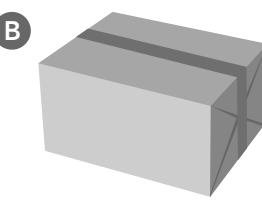
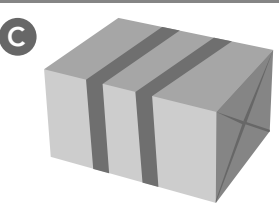
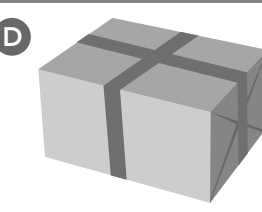
- c. How many panels are need for these pool lengths?



NUMBER & ALGEBRA

USING UNITS OF MEASUREMENT

4 a. These boxes are identical. What length of tape was used on each?

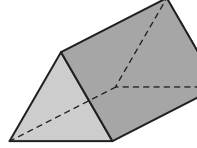
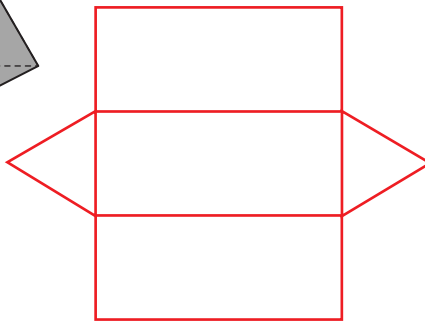
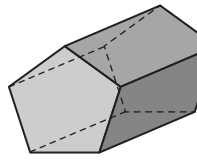
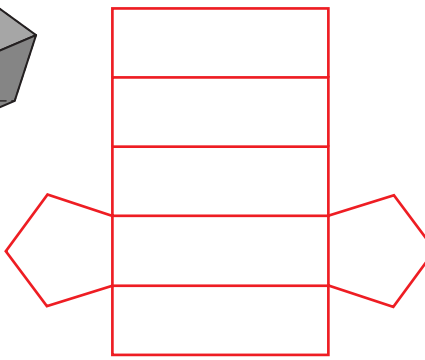
<p>A</p>  <p>35 cm 48 cm 24 cm</p> <p>118 cm = 1.18 m</p>	<p>B</p>  <p>166 cm = 1.66 m</p>
<p>C</p>  <p>236 cm = 2.36 m</p>	<p>D</p>  <p>284 cm = 2.84 m</p>

b. A new 3 m roll of tape was used for each box. How much tape was left on each roll?

A	B	C	D
1.82 m	1.34 m	0.64 m	0.16 m

SHAPE

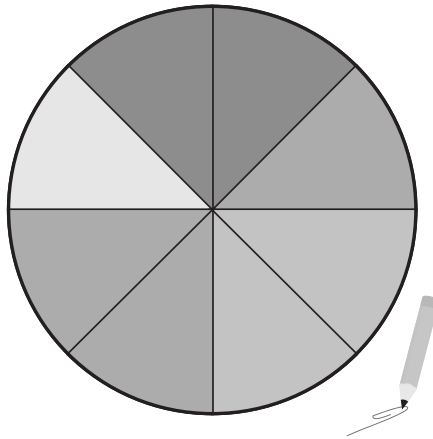
5 Draw a net for each prism.

CHANCE

6 a. What is the chance of spinning these?

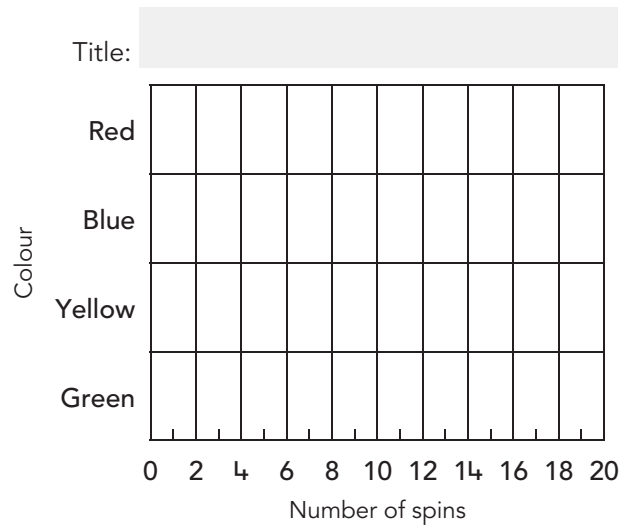
red	$\frac{2}{8}$
green	$\frac{2}{8}$
yellow	$\frac{1}{8}$
blue	$\frac{3}{8}$



b. What is the chance of **not** spinning these?

red	$\frac{6}{8}$	blue	$\frac{5}{8}$	red or blue	$\frac{3}{8}$
-----	---------------	------	---------------	-------------	---------------

c. Use a pencil and paperclip on the spinner. * Make 20 spins. Complete this bar graph to show the results.



This cap costs \$8.50. How much will 3 caps cost? Complete the number sentence.

$3 \times \$8.50 = \25.50



Write your answers in the boxes.

PARENT/CARER SIGNATURE _____

ADDITION & SUBTRACTION

$4 + 8 = 12$	$6 + 7 = 13$	$9 - 2 = 7$
$2 + 5 = 7$	$7 + 5 = 12$	$11 - 4 = 7$
$5 + 3 = 8$	$9 + 4 = 13$	$13 - 8 = 5$
$4 + 7 = 11$	$8 + 7 = 15$	$8 - 3 = 5$
$9 + 3 = 12$	$8 + 12 = 20$	$10 - 6 = 4$

MULTIPLICATION & DIVISION

$6 \times 9 = 54$	$8 \times 6 = 48$	$14 \div 7 = 2$
$7 \times 6 = 42$	$6 \times 0 = 0$	$28 \div 7 = 4$
$6 \times 3 = 18$	$6 \times 6 = 36$	$63 \div 7 = 9$
$5 \times 6 = 30$	$11 \times 6 = 66$	$49 \div 7 = 7$
$10 \times 6 = 60$	$6 \times 4 = 24$	$42 \div 7 = 6$

NUMBER & PLACE VALUE

- 1 a. Work out the total cricket runs scored by each player.



Player	Nov.	Dec.	Jan.	TOTAL
Jason	285	178	314	777
Peter	309	196	254	759
Ruby	260	295	236	791
Tom	116	159	203	478
Max	283	316	345	944

- b. At the end of February, the season totals were calculated. Use the above totals to work out the player's scores for February.

Player	February	Season Total
Jason	303	1080
Peter	203	962
Ruby	333	1124
Tom	153	631
Max	335	1279

MONEY & FINANCIAL MATHEMATICS

- 2 Work out the total cost in your head. Then write a number sentence to show how you added.

$$\$2.55 + \$3.47 = \$6.02$$

$$\$2.55 + \$3 \quad \$5.55 + 47c$$

$$\$1.48 + \$2.60 = \$4.08$$

$$\$1.48 + \$2 \quad \$3.48 + 60c$$

- 3 Work out the change in your head. Then draw jumps to show your thinking.

$$\$100 - \$87.50 = \$12.50$$

* +2.50 +10.00

$$\$100 - \$33.60 = \$66.40$$

* +6.40 +60.00

$$\$50 - \$36.80 = \$13.20$$

* +3.20 +10.00

$$\$20 - \$4.35 = \$15.65$$

* +65c +15.00

- 4 Calculate the change in your head.

$$\$100 - \$41.80 = \$58.20 \quad \$50 - \$16.30 = \$33.70$$

$$\$20 - \$7.20 = \$12.80 \quad \$50 - \$33.90 = \$16.10$$

$$\$100 - \$65.80 = \$34.20 \quad \$20 - \$8.65 = \$11.35$$



You can use a **round-and-adjust** strategy when adding amounts close to a whole dollar. For example, when you see $\$3.48 + \1.99 think $\$3.50 + \2 less 3c.

USING UNITS OF MEASUREMENT

5 a. Measure and write the length of each pencil in **millimetres** and as a decimal fraction of a **metre**.



70 mm = **0.07** m



78 mm = **0.078** m



40 mm = **0.04** m



60 mm = **0.06** m



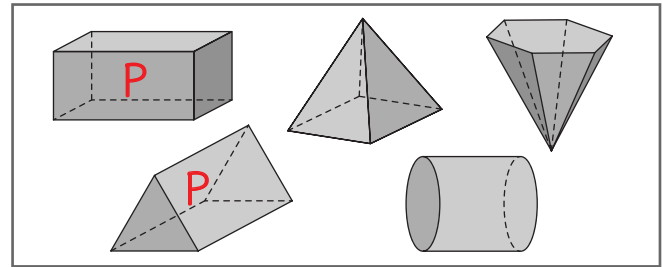
82 mm = **0.082** m

b. When each pencil is sharpened it loses 9 mm. Write the new lengths in mm.

- A** 61 **B** 69 **C** 31
D 51 **E** 73

SHAPE

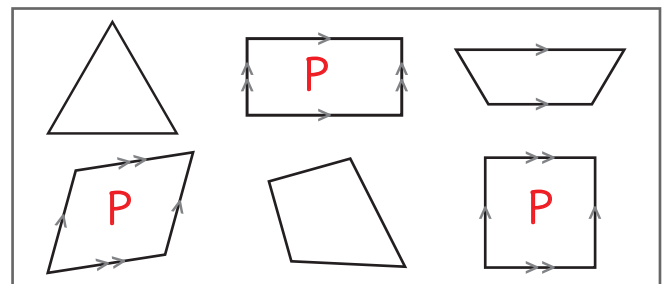
6 a. Draw a **P** on the prisms.



b. What are the features of a prism?

2 bases the same and parallel joined by parallelograms.

7 a. Draw a **P** on the parallelograms.

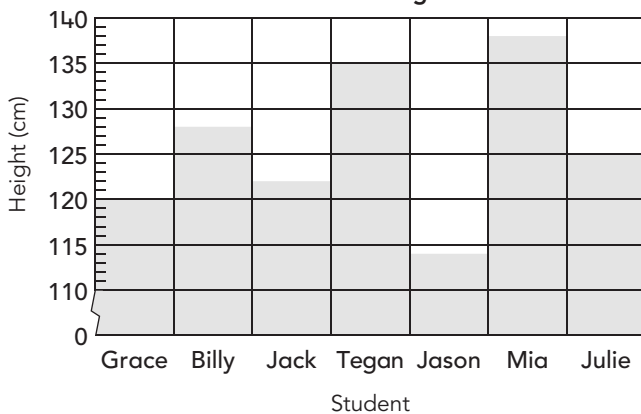


b. What are the features of a parallelogram?

Exactly 2 pairs of parallel sides.

DATA REPRESENTATION & INTERPRETATION

8 **Student Heights**




Write each student's height in 2 different ways.

Student	Height (cm)	Height (m)
Grace	120 cm	1.2 m
Billy	128 cm	1.28 m
Jack	122 cm	1.22 m
Tegan	135 cm	1.35 m
Jason	114 cm	1.14 m
Mia	138 cm	1.38 m
Julie	125 cm	1.25 m

Write one digit in each box to make these algorithms correct.

$$\begin{array}{r} 7 \quad \boxed{0} \quad 8 \\ + \quad 9 \quad \boxed{6} \\ \hline 8 \quad 0 \quad 4 \end{array}$$

$$\begin{array}{r} 5 \quad 0 \quad \boxed{3} \\ - \quad \boxed{1} \quad 4 \quad 5 \\ \hline 3 \quad \boxed{5} \quad 8 \end{array}$$

Write your answers in the boxes. 

PARENT/CARER SIGNATURE _____

NAME _____

MENTAL MATHS	ADDITION & SUBTRACTION			MULTIPLICATION & DIVISION		
	$3 + 6 = 9$	$6 + 9 = 15$	$17 - 8 = 9$	$7 \times 6 = 42$	$7 \times 11 = 77$	$16 \div 8 = 2$
	$5 + 4 = 9$	$8 + 8 = 16$	$13 - 6 = 7$	$7 \times 10 = 70$	$7 \times 6 = 42$	$72 \div 8 = 9$
	$3 + 7 = 10$	$4 + 16 = 20$	$21 - 5 = 16$	$7 \times 2 = 14$	$8 \times 7 = 56$	$24 \div 8 = 3$
	$6 + 2 = 8$	$9 + 12 = 21$	$18 - 9 = 9$	$7 \times 5 = 35$	$9 \times 7 = 63$	$48 \div 8 = 6$
	$3 + 5 = 8$	$15 + 8 = 23$	$15 - 7 = 8$	$7 \times 1 = 7$	$7 \times 100 = 700$	$56 \div 8 = 7$

NUMBER & PLACE VALUE

1 Each number is the total of the 2 numbers directly below. Write the missing numbers.

390

260 130

150 110 20

350

130 220

70 60 160

400

265 135

185 80 55

425

200 225

5 195 30

640

325 315

135 190 135

875

415 460

300 115 345

705

355 350

175 190 160

695

320 375

85 235 140

NUMBER & ALGEBRA

Estimate these costs. *

1 single chocolate + 1 double chocolate	\$ 6
1 single mango + 1 double strawberry	\$ 6
1 single choc chip + 2 double chocolate	\$ 10
3 single strawberry + 2 double strawberry	\$ 14
1 double peppermint + 3 single vanilla	\$ 10
3 single mango + 4 double mango	\$ 23.50
2 single peppermint + 1 double vanilla	\$ 8

MONEY & FINANCIAL MATHEMATICS

2 Look at this ice-cream menu.

Ice Cream		
Flavour	Single	Double
Chocolate	\$2.20	\$3.90
Vanilla	\$1.80	\$3.25
Strawberry	\$2.10	\$3.80
Mango	\$2.35	\$4.25
Choc Chip	\$2.15	\$4.05
Peppermint	\$2.30	\$4.20

PATTERNS & ALGEBRA

3 Write a number sentence to match each story. Then write the answer.

Chloe bought 5 pairs of socks that cost \$6 each. How much change did she get from \$50?

$\$50 - 5 \times \$6 = \$20$

James, Thomas and Lily shared \$48 equally. James spent \$8 of his share. How much does he have left?

$\$48 \div 3 - \$8 = \$8$

Kelly earned \$9 each week for 7 weeks. She then bought a DVD for \$36. How much does she have left?

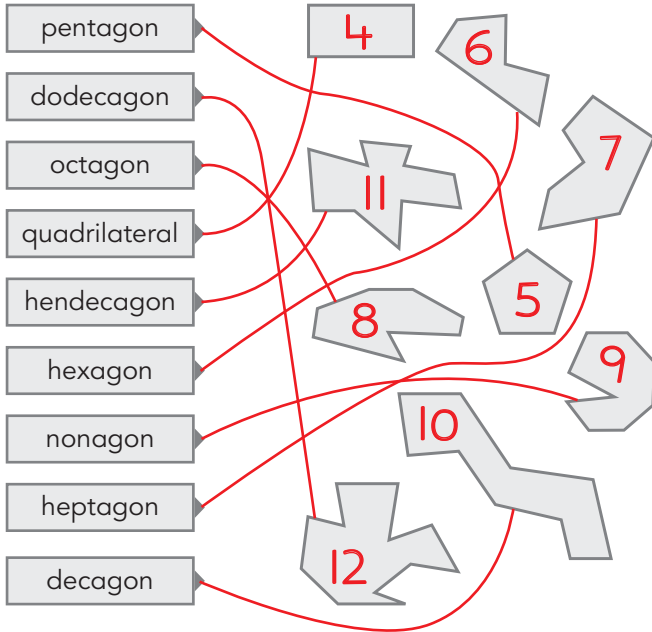
$\$9 \times 7 - \$36 = \$27$

* Answers will vary. This is one example.

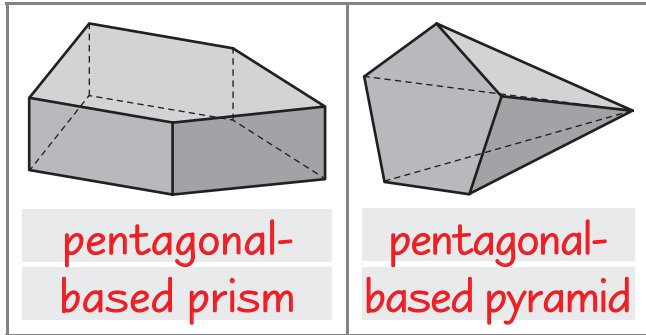
MEASUREMENT & GEOMETRY

SHAPE

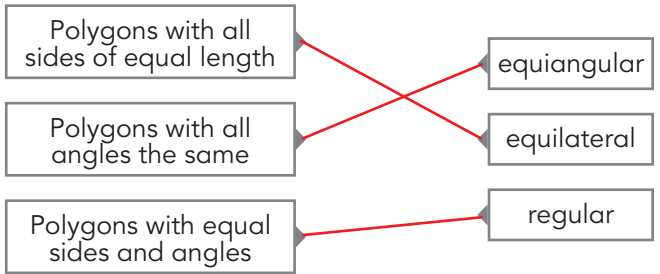
4 Inside each shape, write the number of sides. Then connect each shape to its matching name.



5 Name these 3D objects.

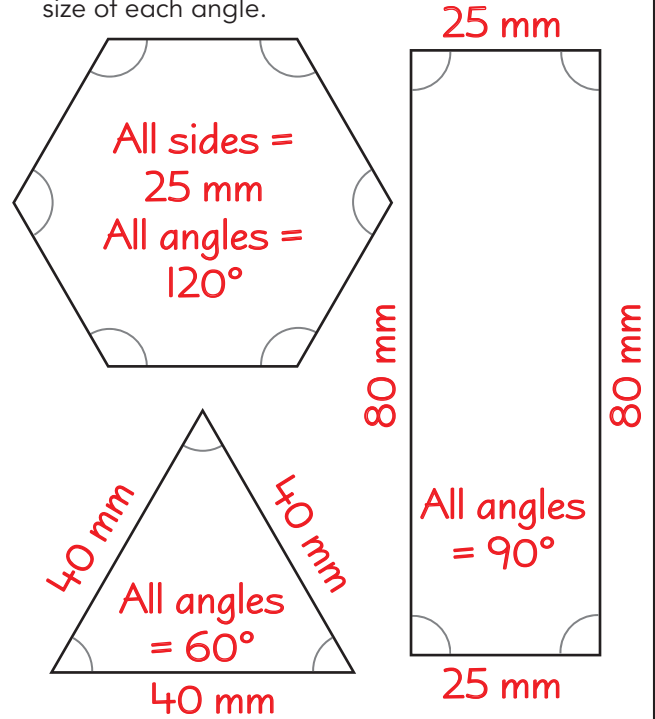


6 Connect matching descriptions.



GEOMETRIC REASONING

7 Measure and label the length of each side and size of each angle.



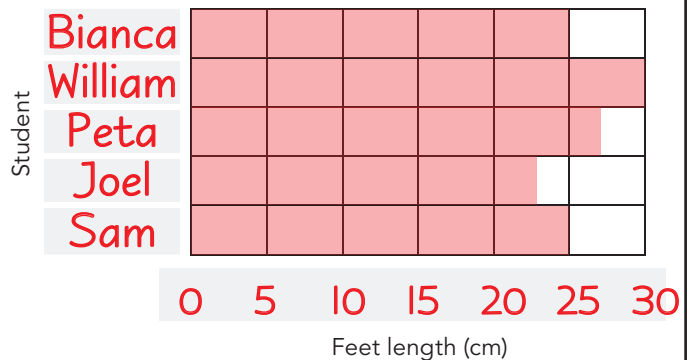
STATISTICS & PROBABILITY

DATA REPRESENTATION & INTERPRETATION

8 Complete this bar graph of feet length.

Student	Feet length (cm)
Sam	25
Joel	23
Peta	27
William	30
Bianca	25

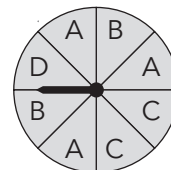
Title: Students' Feet Length



TESTER

When Peter spins this spinner, which letters have an equal chance?

- A and C B and D B and A B and C



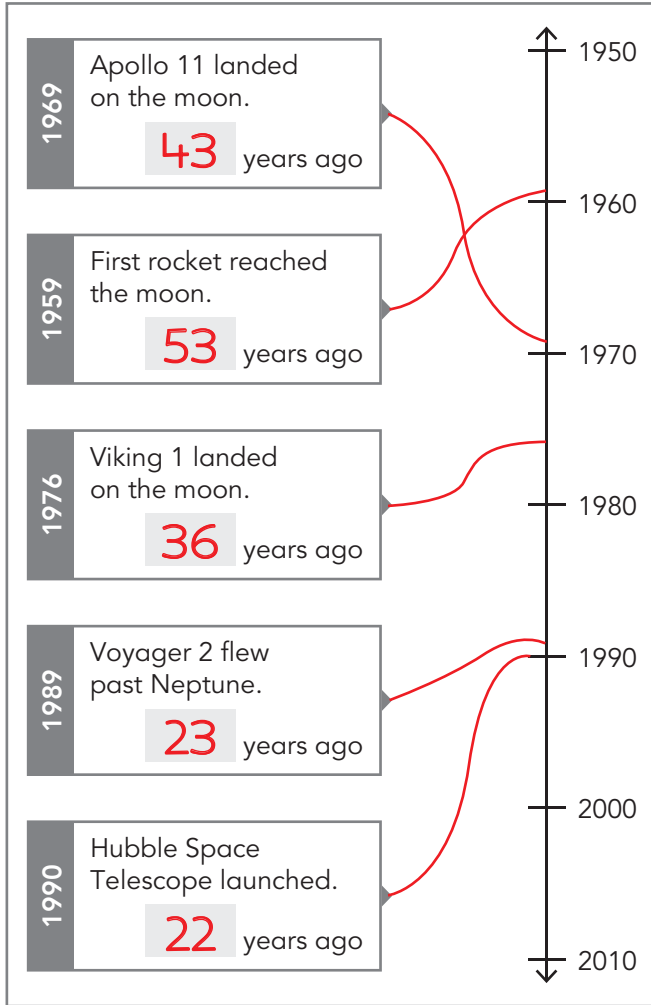
Colour one bubble.

PARENT/CARER SIGNATURE _____

* Answers will vary. This is one example.

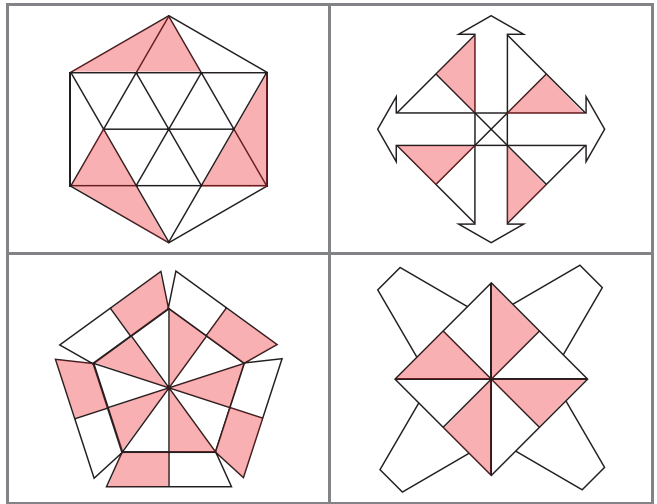
USING UNITS OF MEASUREMENT

5 Draw lines to show each event on the timeline. Then calculate how long ago each occurred.



LOCATION & TRANSFORMATION

6 These designs show both reflective and rotational symmetry. Colour them so that they **only** show rotational symmetry.



7 Shade the labels that describe how Shape 1 could move to cover Shape 2.

Labels: slide sideways, turn a half-turn, slide up, flip sideways, flip upside-down, slide down.

DATA REPRESENTATION & INTERPRETATION

- 8 a. Use tally marks to complete the frequency table.
- b. Which interval has the greatest total? **50-59**
- c. Which interval has the least total? **70-79**
- d. For how many seconds could most students hold their breath? **50-59**

Time a single breath was held		
Intervals (seconds held)	Frequency	Total
30 - 39		2
40 - 49		8
50 - 59		10
60 - 69		7
70 - 79		1

Gumballs are sold in packs of 6. Sarah wants to give 2 gumballs to each of her 16 friends. What is the fewest number of packs she will need?

- 1 5 4 6



Colour one bubble.

PARENT/CARER SIGNATURE _____

NAME _____

MENTAL MATHS

ADDITION & SUBTRACTION

$5 + 3 = 8$	$7 + 6 = 13$	$9 - 7 = 2$
$1 + 9 = 10$	$9 + 13 = 22$	$8 - 5 = 3$
$2 + 7 = 9$	$11 + 15 = 26$	$10 - 6 = 4$
$3 + 8 = 11$	$18 + 12 = 30$	$7 - 3 = 4$
$6 + 6 = 12$	$13 + 16 = 29$	$9 - 4 = 5$

MULTIPLICATION & DIVISION

$9 \times 6 = 54$	$9 \times 11 = 99$	$20 \div 10 = 2$
$9 \times 9 = 81$	$8 \times 7 = 56$	$40 \div 10 = 4$
$9 \times 2 = 18$	$7 \times 10 = 70$	$80 \div 10 = 8$
$9 \times 1 = 9$	$9 \times 100 = 900$	$60 \div 10 = 6$
$9 \times 5 = 45$	$10 \times 12 = 120$	$70 \div 10 = 7$

NUMBER & PLACE VALUE

1 Write the meaning of each place-value abbreviation.

T	tens	t	tenths
H	hundreds	h	hundredths
Th	thousands	th	thousandths

2 Draw beads to show each number.

365.187

1026.159

803.106

34.094

FRACTIONS & DECIMALS

3 Draw lines to place these on the number line.

4 Draw lines to show the approximate positions. Then write in order from greatest to least.

MONEY & FINANCIAL MATHEMATICS

- 5 a. What is the cost of 1 kg? \$ **11.20**
- b. How many punnets can you buy with \$10? **3**
- c. What change will you get? \$ **1.60**



i When **comparing and ordering numbers**, look at the digit in the greatest place first.

USING UNITS OF MEASUREMENT

Brisbane — Bundaberg Tilt Train	
Departing	Sunday – Friday
Brisbane	11:00 a.m.
Caboolture	11:45 a.m.
Landsborough	12:07 p.m.
Nambour	12:31 p.m.
Cooroy	12:58 p.m.
Gympie	1:31 p.m.
Maryborough	2:35 p.m.
Howard	2:52 p.m.
Bundaberg	3:30 p.m.

a. How long is the trip from Brisbane to Bundaberg?

4 hours 30 minutes

b. How long is the trip from Landsborough to Howard?

2 hours 45 minutes

c. The longest time between stops is between

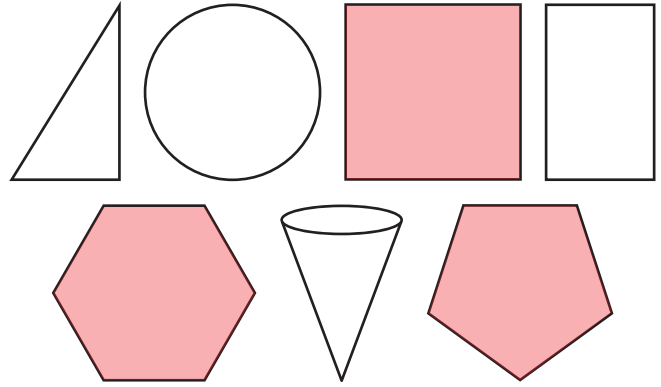
Gympie and Maryborough for 64 minutes.

d. The shortest time between stops is between

Maryborough and Howard for 17 minutes.

SHAPE

7 a. Shade the regular polygons.

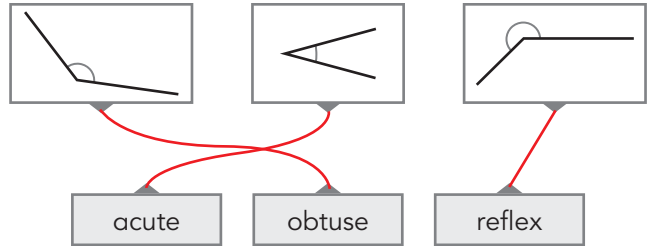


b. How did you decide?

Regular polygons have all sides equal and all angles equal.

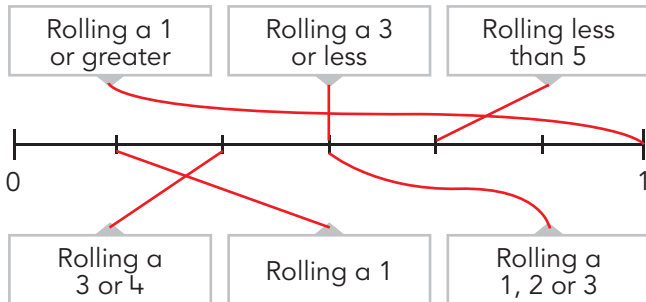
GEOMETRIC REASONING

8 Match the angle with its label.

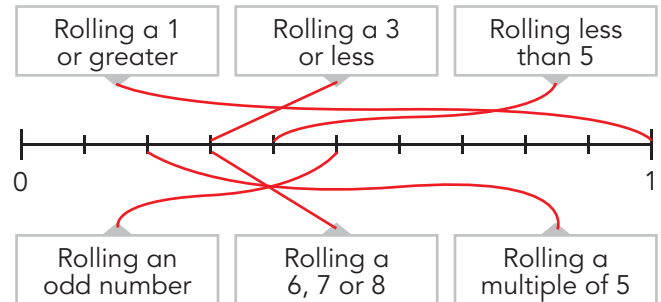


CHANCE

9 a. Imagine rolling a regular 6-sided die. Draw lines to show the chance of these events.



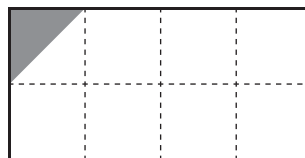
b. Imagine rolling a 10-sided die. Draw a line to show the chance of each event.



How many red tiles are needed to completely cover this oblong?

16

Remember to include the tile that is shown.



Write your answer in the box.



NAME _____

NUMBER & ALGEBRA

NUMBER & PLACE VALUE

1 Use a mental strategy to work out the answer. Then write a number sentence to show your thinking.

$285 + 347 = 632$ $200 + 300 + 80 + 40 + 5 + 7 = 632$
$612 - 188 = 424$ $612 - 8 - 80 - 100 = 424$
$36 \times 50 = 1800$ $36 \times 50 = 18 \times 100 = 1800$
$25 \times 32 = 800$ $25 \times 32 = 100 \times 8 = 800$
$12 \times 75c = \$ 9$ $12 \times 75c = 6 \times \$1.50 = 3 \times \$3 = \9

FRACTIONS & DECIMALS

2 a. Match each decimal to the number line. Then write the nearest **whole** number.

b. Match each decimal to the number line. Then write the nearest **tenth**.

3 Rewrite these in order from least to greatest.

1.056	1.504	0.962	1.4	1.45	0.92
0.92	0.962	1.056	1.4	1.45	1.504

4 Write the decimal on the expander and in words. Then show its position on the number line.

5 Loop groups to show the fraction. Write a number sentence to show your thinking.

MONEY & FINANCIAL MATHEMATICS

6 Use a mental strategy to work out the total cost.

$\bullet \$4.49$	+	$\bullet \$12.45$	=	$\$16.94$
$\bullet \$8.95$	+	$\bullet \$6.78$	=	$\$15.73$

7 Calculate the change. Draw jumps to show your thinking.

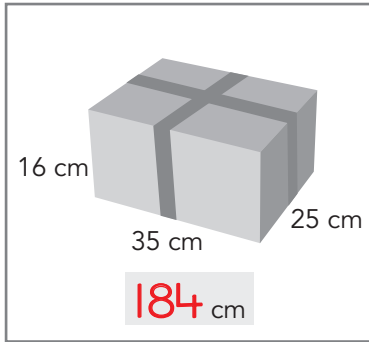
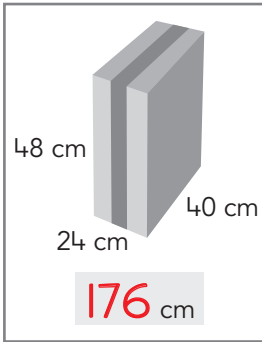
PATTERNS & ALGEBRA

8 Write the next 3 numbers in these sequences.

2.7, 3.9, 5.1, 6.3,	7.5	,	9.7	,	10.9
0.962, 1.062, 1.162,	1.262	,	1.362	,	1.462

USING UNITS OF MEASUREMENT

9 What is the length of tape required for each parcel?



10 Convert these.

13 cm → **130** mm 230 mm → **23** cm

$1\frac{1}{2}$ m → **150** cm 4000 mm → **4** m

750 cm → **7.5** m 100 cm → **1** m

11 Write the time $3\frac{1}{2}$ hours before and after.

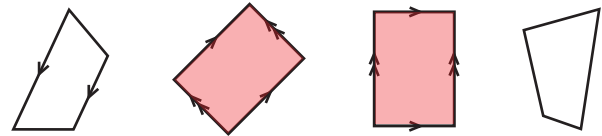
Before	4:10 a.m.	8:30 a.m.	11:40 a.m.	7:20 a.m.
	7:40 a.m.	midday	3:10 p.m.	10:50 a.m.
After	11:10 a.m.	3:30 p.m.	6:40 p.m.	2:20 p.m.

12 Convert to the same units then find the total.

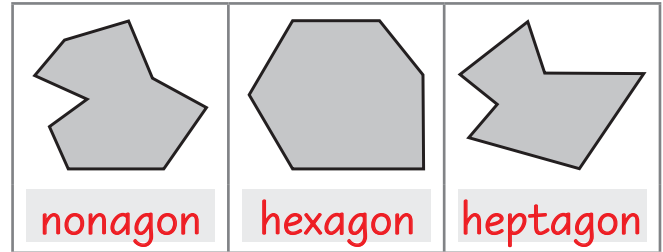
2 L	→	2	4.185 L
1150 mL	→	1.15	
1.035 L	→	1.035	
			4.185 mL

SHAPE

13 Shade the parallelograms.

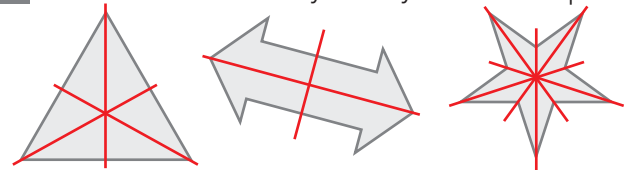


14 Name the polygons.



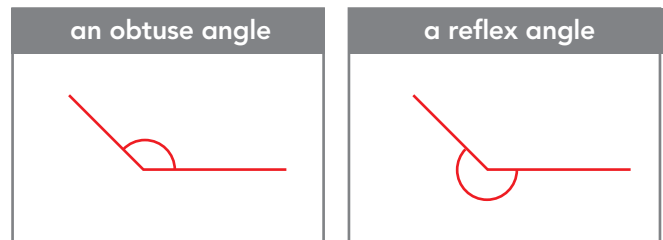
LOCATION & TRANSFORMATION

15 Draw all the lines of symmetry on each shape.



GEOMETRIC REASONING

16 Draw and mark these angles.



CHANCE

17 List all the possible combinations of outfits.

SHIRTS	Red	Black	Blue
SHORTS	White	Black	Yellow

Shirts	Shorts	Shirts	Shorts
Red	White	Blue	White
Red	Black	Blue	Black
Red	Yellow	Blue	Yellow
Black	White		
Black	Black		
Black	Yellow		

DATA REPRESENTATION & INTERPRETATION

18 This pie chart represents the responses from 20 students.

- a. Colour the pie chart to match the fractions.
- b. Write a percentage to match each fraction.

