

	10	26	43	19	54	95
+ 2						

1 $7.67 - 4.2 =$

2 Solve: $5x - 1 = 9$

3

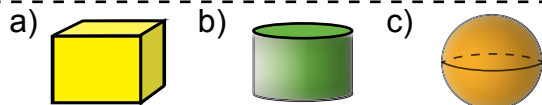
28, 6, 19, 4, 7, 28, 13

For this data set find:

a) median b) mean c) range

4 Choose the correct name for each figure from the following.

cylinder *sphere* *rectangular prism*



5 Make true using =, <, >:

$$\frac{2}{5} \bigcirc \frac{3}{8}$$

6 Our dog Spot weighs 350 grams less than Tip. If Spot weighs 4.79 kg, how much does Tip weigh?

	19	10	15	31	17	12
- 7						

7 $\frac{2}{3} + \frac{1}{6} =$

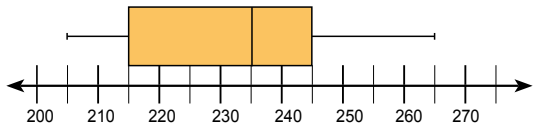
8 Find the Greatest Common Factor of 20 and 35?

9 Which statement is true?

a) $-|-5| = 5$ b) $|-8| = 8$

10 If $x = 5$, what is the value of $x^2 - 3x$?

11

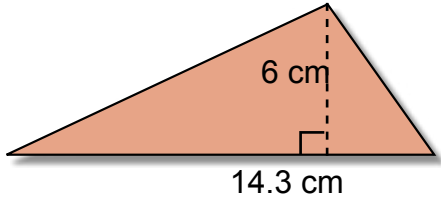


For this box and whisker graph find the values for:

- a) lower quartile
- b) upper quartile
- c) median
- d) range

12

Find the area of this triangle.



	10	4	8	12	5	3
x 6						

13

$5.6 \div 8 =$

14

On my street there are 20 houses, 60% are brick and the rest are wooden.

Write the ratio of wood to brick houses on the street.

15

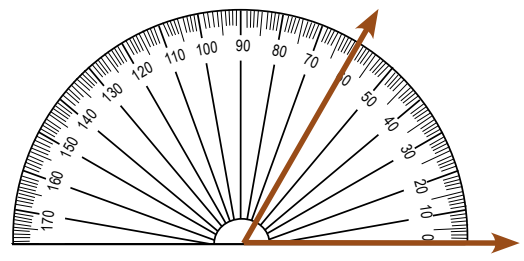
Simplify: $\frac{52}{7}$

16

- $7\frac{1}{2}$ cm = _____ mm
- 3 L = _____ mL
- 24 kg = _____ g

17

What is the supplementary angle?



	35	14	42	63	70	21
÷ 7						

1 $\frac{1}{2} \times \frac{3}{5} =$

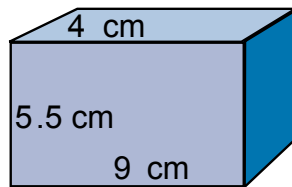
2 Which of these numbers are multiples of 9?
781 288 765 4 797
How do you know?

3 The 26 letters of the alphabet are written, one letter per card, and placed in a box. If a card is drawn without looking, what is the probability of selecting a vowel (include y)?

4 Solve: $3x + 5 = 26$

5 What is the volume of this rectangular prism?

HINT: $V=l \times b \times h$



- 6 a) When multiplying two negative numbers, you will always get a _____ number.
b) When adding two negative numbers, you will always get a _____ number.

	23	97	8	24	33	12
+ 5						

7 $3.07 - 2.6 =$

8 I have four sides and my opposite angles are equal. Which shapes could I be?

rectangle, square, rhombus, parallelogram, quadrilateral

9 Complete this pattern.

3, 12, 48, 192, _____, _____

The rule is _____.

- 10 20% of 60 is _____.
 11 is 25% of _____.
 45 is _____ % of 90.

- 11 The probability of sighting a kiwi in a wildlife park on Stewart Island is 18%. What is the probability of not seeing a kiwi in this park?

- 12 On a clear day, sound travels at 335 m every second. Pam stands at the top of a cliff and shouts across the valley. She notices that her echo returns in 6 seconds. How far is it across the valley?

	11	53	85	90	17	38
- 5						

13 $\frac{1}{4} + \frac{1}{8} =$

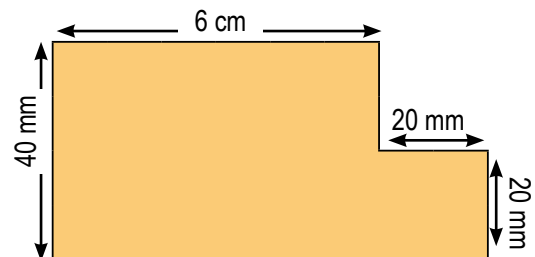
- 14 Can I make a triangle with angles 20°, 60° and 100°?
 How do you know?

- 15 Make true using =, <, >

$$\frac{6}{15} \bigcirc \frac{5}{12}$$

- 16 Show how the Distributive Property is used to find the answer to 12×38 .
 HINT: $12 = (10 + 2)$

- 17 Find the area of this shape.



	8	3	9	5	7	12
x 3						

1 $6.3 \div 0.7 =$

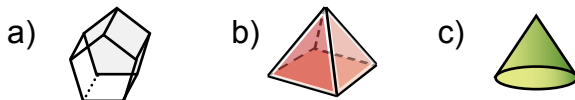
2 What is the Greatest Common Factor of 16 and 56?

3 a) $|-6| =$ b) $-|-4| =$

4 Solve: $8b - 61 = 11$

5 Choose the correct name for each figure from the following.

cone *prism* *pyramid*



6

4, 27, 8, 8, 26, 25, 3, 7

For this data set find:

a) median b) mean c) range

	30	54	60	18	42	24
$\div 6$						

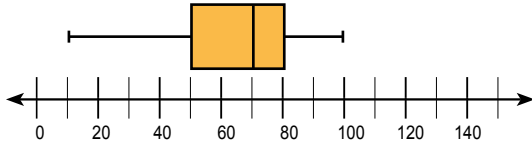
7 $\frac{2}{15} \times \frac{5}{6} =$

8 In a class of 160 students, 120 have cell phones. Write the ratio of students who do not have cell phones to those that do.

9 $3 \text{ km} =$ _____ m
 $1 \text{ m} =$ _____ mm
 $2 \text{ cm} =$ _____ mm

10 If $m = 4$, what is the value of $5m + m^2$?

11



For this box and whisker graph find the values for the:

- a) maximum c) median
b) minimum d) range

12 If \blacktriangle represents x and a unit is represented by \bullet , draw a model of $2x + 4$.

	47	11	96	84	13	79
+ 7						

13 $5.6 - 2.07 =$

14

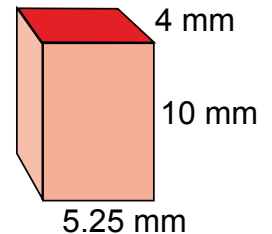
A coin is tossed six times and each time it is tails. Express as a percent the probability of getting another tail on the next toss?

15

25 is $33\frac{1}{3}\%$ of _____.
12 is _____ % of 60.
75% of 160 is _____.

16

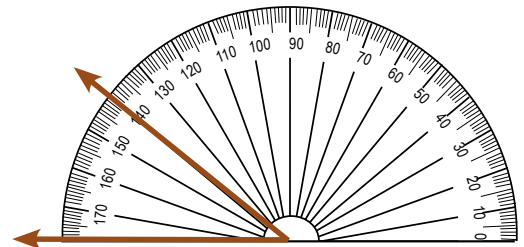
What is the volume of this rectangular prism?



HINT: $V = l \times b \times h$

17

What is the complementary angle?



	14	25	13	67	10	46
- 8						

1 $\frac{1}{3} + \frac{4}{9} =$

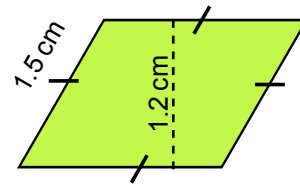
2 Write $8\frac{4}{5}$ as an improper fraction.

3 Which of these numbers have 6 as a factor?
 321 702 675 282 312
 How do you know?

4 Solve: $6x + 10 = 58$

5 Samantha has 15 socks in her drawer, four of them are blue. She pulls out a sock at random. What is the probability that the sock she has pulled out is blue?

6



- a) What is the perimeter of this rhombus?
 b) What is the area?

	10	4	8	12	5	3
x 9						

7 $1.62 \div 6 =$

8 In the school band there are 16 girls and 10 boys. What is the ratio of girls to boys in the band?

9 Complete the pattern.
 1, 3, 7, 15, _____, _____, _____
 The rule is _____.

- 10 I have all equal sides and my opposite sides are parallel. Which shapes could I be?

square rhombus heptagon octagon

- 11 Express as a percent the probability of getting an even number when tossing a regular number cube.

- 12 Bev can skate 3 km in 21 minutes. At that rate, how long will it take her to skate 4 km?

	77	66	121	33	132	55
÷ 11						

13 $\frac{5}{12} \times \frac{3}{10} =$

- 14 a) When dividing a negative by a positive number, you will always get a _____ number.
b) Is this true when subtracting a positive number from a negative number?

- 15 15 is _____ % of 20.
40% of 400 is _____.
60 is $66\frac{2}{3}\%$ of _____.

- 16 Can I make a triangle with sides 4 cm, 3 cm and 7 cm?
How do you know?

- 17 500 cm = _____ m
6 kg = _____ g

- 18 Apply the Commutative and Associative Properties to simplify this calculation:

$$20 \times 7 \times 5 \times 6$$