

8. (a) Write 144 as a product of prime factors.

Answer: \_\_\_\_\_ [2]

- (b) Find the value of  $\sqrt{144}$ .

Answer: \_\_\_\_\_ [1]

8. Complete the chart below.

Percentage	Fraction	Decimal
21%	_____	0.21
b) _____	$\frac{17}{20}$	0.85
9%	$\frac{9}{100}$	c) _____

8. The sum of two square numbers is 29.

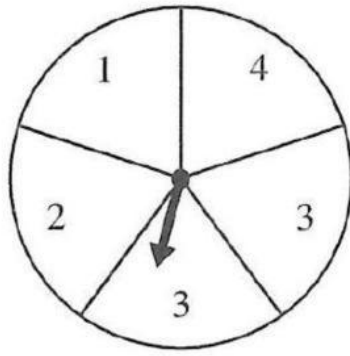
- (a) List the two square numbers

Answer: \_\_\_\_\_ [1]

- (b) Calculate the difference of these two square numbers.

Answer: \_\_\_\_\_ [2]

8. Olivia spins the wheel below once.



Find the probability that it stops on:

- (i) the number 3, \_\_\_\_\_ [1]
- (ii) a multiple of 4, \_\_\_\_\_ [1]
- (iii) the number 5, \_\_\_\_\_ [1]
- (iv) a square number. \_\_\_\_\_ [1]

8. Mr. Brown arrived at the mall at 10:15 am.

He left home at 8:50 am.



- (a) Determine how long it took him to arrive at the mall.

Answer: \_\_\_\_\_ [2]

- (b) Express your answer from (a) in minutes.

Answer: \_\_\_\_\_ minutes [2]

8. Calculate  $\frac{2}{3}$  of 27.

Answer: \_\_\_\_\_ [2]

8. Mark packed two boxes.

The first box weighs 3000 g and the second box weighs 4.56 kg.

(a) Express the weight of the first box in kg.

Answer: \_\_\_\_\_ kg [1]

(b) (i) Calculate the total weight of the 2 boxes in kg.

Answer: \_\_\_\_\_ kg [1]

(ii) Express your answer correct to 1 decimal place.

Answer: \_\_\_\_\_ kg [1]