

AQA - Fractions, decimals and percentages – GCSE Mathematics Paper-11. **May/2020/Paper_1F/No.11**(a) Circle the answer to 50×0.2 **[1 mark]**

1

10

100

1000

(b) Work out $3.65 \div 5$

Give your answer as a decimal.

[2 marks]

Answer _____

2. **May/2020/Paper_1F/No.16(c)**

(c) What percentage of the 150 students travel to school by car?

[2 marks]

Answer _____ %

3. May/2020/Paper_1F/No.18

(a) Work out 110% of 80

[2 marks]

Answer _____

(b) Work out 21 as a fraction of 12

Circle your answer.

[1 mark]

$$\frac{7}{4}$$

$$\frac{4}{7}$$

$$\frac{3}{4}$$

$$\frac{4}{3}$$

4. **May/2020/Paper_1F/No.23**

As a decimal $\frac{11}{40} = 0.275$

Work out $\frac{33}{400}$ as a decimal.

[2 marks]

Answer _____

5. May/2020/Paper_1H/No.1

Circle the fraction that is equivalent to 4.75

[1 mark]

$$\frac{15}{4}$$

$$\frac{19}{4}$$

$$\frac{21}{4}$$

$$\frac{23}{4}$$

6. May/2020/Paper_1H/No.4

Circle the reciprocal of $\frac{5}{6}$

[1 mark]

$$\frac{6}{5}$$

$$\frac{1}{6}$$

$$-\frac{1}{6}$$

$$-\frac{6}{5}$$

7. May/2020/Paper_1H/No.11

As a decimal $\frac{11}{40} = 0.275$

Work out $\frac{33}{400}$ as a decimal.

[2 marks]

Answer _____

8. June/2019/Paper_1F/No.12

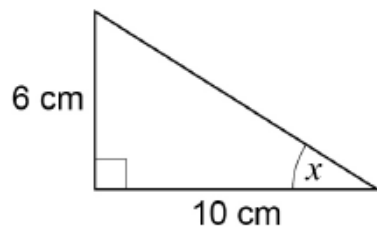
Work out 65% of 300

[3 marks]

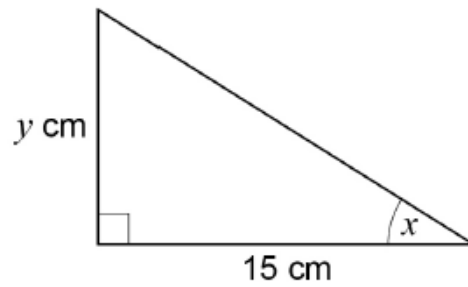
Answer _____

9. June/2019/Paper_1H/No.1

Here are two right-angled triangles.



Not drawn
accurately



Circle the value of y .

[1 mark]

11

7.5

9

4

10. June/2019/Paper_1H/No.21

Solve the simultaneous equations

$$2x + 3y = 5p$$

$$y = 2x + p$$

where p is a constant.

Give your answers in terms of p in their simplest form.

[4 marks]

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

11. Nov/2019/Paper_1F/No.1

Circle the value of the digit 9 in the number 7.962

[1 mark]

$$\frac{9}{1000}$$

$$\frac{9}{100}$$

$$\frac{9}{10}$$

9

12. Nov/2019/Paper_1F/No.18

Mo played 30 games of chess.

He won 18 of these games.

(a) What fraction of the games did he win?

Give your answer in its simplest form.

[2 marks]

Answer _____

(b) He played 20 more games.

He had then won 64% of **all** of his games.

How many of the 20 games did he win?

[3 marks]

Answer _____

13. Nov/2019/Paper_1H/No.1

Circle the calculation that decreases 250 by 15%

[1 mark]

$250 \div 1.15$

250×0.15

250×0.85

$250 \div 0.85$

14. Nov/2019/Paper_1H/No.21

Work out $0.70\dot{4}\dot{8} - 0.001$

Circle your answer.

[1 mark]

$0.70\dot{3}\dot{8}$

$0.703\dot{8}$

$0.703\dot{8}\dot{3}$

$0.703\dot{8}\dot{4}$