

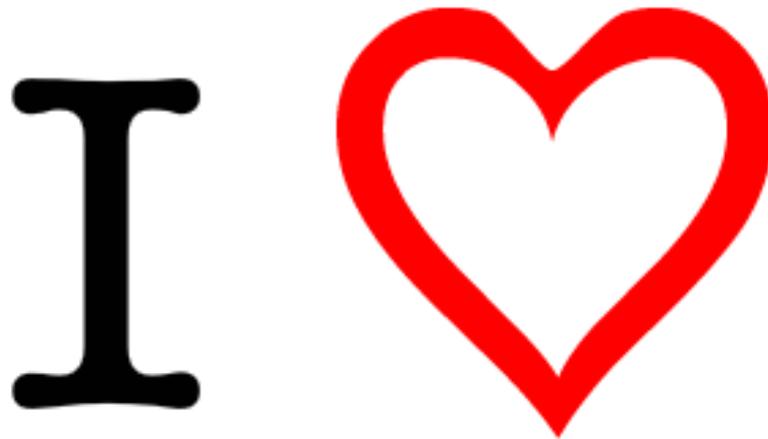


Year 8

Maths Revision

Activity Booklet

Name



Math



1. Calculate the answers to the following:

(a) $157 + 781$ (2)

(b) $455 - 123$ (3)

(c) $56 + 52 - 12$ (3)

(d) 53×24 (3)

(e) $782 \div 17$ (3)

(f) 127×354 (3)

2. Calculate the answers to the following:

(a) -7×-2 (1)

(b) 8×-9 (1)

(c) $-9 + (-3)$ (1)

(d) $9 - (-3)$ (1)

(e) $-12 \div -3$ (1)

(f) $(-2)^2$ (1)

3. (a) Express 42 km in metres. (1)

(b) Express 89 cm in metres. (1)

(c) Express 1.5 km in cm. (1)



4. Jack has 36 sweets and gives 12 of them to his brother. What fraction of the sweets does he keep? Write your answer in its simplest form. (3)
5. Write each of the following amounts to the nearest hundred pounds:
 - (a) £325 (1)
 - (b) £2955 (1)
 - (c) £10 035 (1)
 - (d) 8950p (2)
6. Write down the first 5 multiples of 6. (1)
7. What is the third prime number? (1)
8. What is the eleventh square number? (1)
9. Write down 75% as a fraction and a decimal. (1)
10. A rectangle has an area of 36.8 cm^2 . If the width is 4 cm, what is the length? Hence find perimeter of the rectangle. (4)
11. A triangle has a perpendicular height of 4.2 cm and a base length of 5.0 cm. Find the area. (3)
12. Richard scores 84 out of 120 in a test. What percentage did he get in the test? (2)



- 13.** Calculate the answer to the following, giving your answer in its simplest form.
- (a) $\frac{2}{3} + \frac{3}{4}$ (2)
- (b) $\frac{3}{4} - \frac{2}{3}$ (2)
- (c) $\frac{9}{14} \times \frac{16}{27}$ (3)
- (d) $\frac{8}{9} \div \frac{4}{3}$ (4)
- 14.** A plane leaves Heathrow Airport at 19:15 on Tuesday for Tokyo. If the flight time takes 11 hours 35 minutes and Tokyo is 8 hours ahead of London, at what time and day does it land in Tokyo? (3)
- 15.** Solve the following equations, giving your answer as a fraction in its simplest form where appropriate.
- (a) $3x - 2 = 4$ (2)
- (b) $5x = 2x + 9$ (2)
- (c) $9x - 3 = 3x + 5$ (3)
- (d) $3(2x - 4) = 30$ (3)
- 16.** Simplify the following algebraic expressions.
- (a) $t + t + t + t$ (1)
- (b) $y \times y$ (1)
- (c) $2 \times 3g$ (1)
- (d) $2w + 3w$ (1)
- (e) $4t - 2t$ (1)
- (f) $9g \times 3g$ (1)
- 17.** William jogs at 2 metres per second. How far does he jog in 12 minutes? (3)



18. Complete the following table showing equivalent decimals, fractions and percentages. Write all fractions in their simplest form.

Decimal	Fraction	Percentage
0.4		
	$\frac{1}{4}$	
		80%

(6)

19. Calculate the answers to the following, making sure that you show all stages of your working out.

(a) $4 - 9(9 - 3)$

(2)

(b) $4 \times 81 \div 9$

(2)

(c) $5 \times 3(6 - 1) - 32$
 $\div 2$

(3)

(d) $9 + 3(8 - 2) \times 4 \div$
 6

(4)

20. For each of the following, calculate the answer, giving your answer as a fraction in its simplest form.

(a) $\frac{3}{4} \times \frac{10}{33}$

(3)

(b) $\frac{5}{18} \div 3\frac{1}{3}$

(4)