## Number 2F Assessment — THE ANSWERS

### Foundation Level

🚫📱 1 - 17   📱 18 - 22

| Clip | Grade | Title of clip | Question(s) | Marked out of | Score | % |
|---|---|---|---|---|---|---|
| 66 | 3 | Multiplying Decimals | 1 - 3 | 8 | ___ | __ |
| 67 | 3 | Dividing Decimals | 4 - 5 | 6 | ___ | __ |
| 68 | 3 | Four Rules of Negatives | 6 - 7 | 8 | ___ | __ |
| 69 | 3 | Listing Strategies | 8 | 3 | ___ | __ |
| 70 | 3 | Comparing Fractions | 9 | 2 | ___ | __ |
| 71 | 3 | Adding and Subtracting Fractions | 10 - 11 | 4 | ___ | __ |
| 72 | 3 | Finding a Fraction of an Amount | 12 | 1 | ___ | __ |
| 73 | 3 | Multiplying Fractions | 13 - 14 | 3 | ___ | __ |
| 74 | 3 | Dividing Fractions | 15 | 2 | ___ | __ |
| 75 | 3 | BODMAS/BIDMAS | 16 | 4 | ___ | __ |
| 76 | 3 | Reciprocals | 17 | 2 | ___ | __ |
| 77 | 3 | Calculator Questions | 18 - 22 | 12 | ___ | __ |

*Out of 55*   TOTAL SCORE _____

Final Percentage [        ] %

1) Work out the answers to

   a) 0.3 × 0.4   __0.12__    **1**

   b) 0.4 × 0.2   __0.08__    **1**

2) Work out the answers to the following, showing your working

   a) 2.7 × 4.1   _____11.07_____    **2**

   b) 12.3 × 0.36   ____4.428____    **2**

3) Tom has a job that pays £9.32 per hour.
He worked for 40 hours last week.

   How much did he earn? __£372.80__    **2**

4) Work out

   a) 12 ÷ 0.3 ____40____    **2**

   b) 51.36 ÷ 1.6 ___32.1___    **2**

5) If a textbook costs £7.80, how many can be bought for £101.40?

                           __13__ books can be bought.    **2**

6) Work out

   a) 5 – 8 = __-3__    **1**

   b) -7 – 3 = __-10__    **1**

   c) 4 + (-12) = __-8__    **1**

   d) (-9) – (-3) = __-6__    **1**

7) Work out

   a) 5 × (-3) = __-15__    **1**

   b) (-7) × (-2) = __14__    **1**

   c) (-86) ÷ (-2) = __43__    **1**

   d) (-36) ÷ 12 = __-3__    **1**

8) Hannah has these three cards.    | 5 |   | 7 |   | 2 |

   Make a list of all the 3-digit numbers she can make using the cards.

                572
                527
                752
                725
                257              **3**
                275

9) Put the following fractions in order of size, smallest to largest.
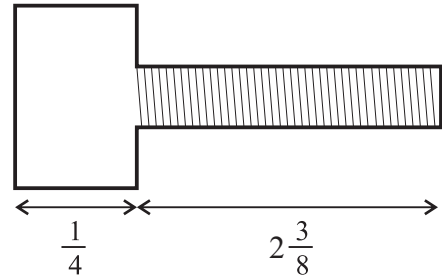
$$\frac{2}{3} \quad \frac{1}{2} \quad \frac{1}{4} \quad \frac{5}{8} \quad \frac{13}{12}$$

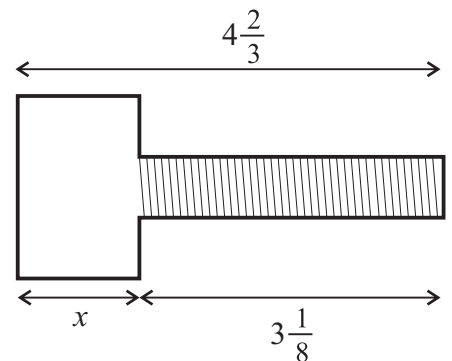$$\frac{1}{4} \quad \frac{1}{2} \quad \frac{5}{8} \quad \frac{2}{3} \quad \frac{13}{12}$$      **2**

10) The bolt has given lengths measured in inches.

What is the total length of the bolt? __$2\frac{5}{8}$__ inches.   **2**

$$\frac{1}{4} \qquad 2\frac{3}{8}$$

11) The bolt has given lengths measured in inches.

$$4\frac{2}{3}$$

What is the length ($x$) of the head of the bolt? __$1\frac{13}{24}$__ inches.   **2**

$$x \qquad 3\frac{1}{8}$$

12) Work out $\frac{4}{5}$ of 150 __120__   **1**

13) Work out $\frac{4}{9} \times \frac{27}{36}$ __$\frac{1}{3}$__   **1**

14) A water container is $\frac{1}{8}$ full.
35 litres of water are poured into the container.
The container is now $\frac{3}{4}$ full.

When the container is full, how much water does it hold? __56 litres__   **2**

15) Calculate

a) $\frac{2}{3} \div \frac{3}{4}$ __$\frac{8}{9}$__   **1**   b) $2\frac{4}{5} \div \frac{2}{3}$ __$4\frac{1}{5}$__   **1**

16) Work out

a) $2 + 3 \times 4 =$ __14__   **1**      b) $5 \times 6 + 3 \times 2 =$ __36__   **1**

c) $3 \times 4^2 =$ __48__   **1**      d) $5 \times (6 + 3) \times 2 =$ __90__   **1**

17) a) Find the reciprocal of 7 __$\frac{1}{7}$__   **1**

b) Find the reciprocal of $\frac{4}{5}$ __$\frac{5}{4}$__   **1**

*A* 🖩 *can be used for all questions on this page.*

18) Work out $\dfrac{4.8 + 10.6}{2.3 - 0.5}$ giving your answer to 1 decimal place. ____8.6____ **2**

19) Work out $\dfrac{1.2 \times 13.9}{(9.1 - 0.5)^2}$ giving your answer to 2 decimal places. ____0.23____ **2**

20) Work out $\dfrac{\sqrt{27.5}}{7^3 + 0.22}$ giving your answer to 3 decimal places. ____0.015____ **2**

21) Work out $\dfrac{\sqrt{3.7^2 + 19.6}}{1.3^3 - 0.7}$ giving your answer to 1 decimal place. ____3.9____ **3**

22) Work out $\sqrt{\dfrac{20 - 1.3^2}{8.9}}$ giving your answer to 2 decimal places. ____1.43____ **3**