testbase

| 1 | 468,888 + 1,000 + 1,000 = | |
|---|---------------------------|--------|
| | | 1 mark |
| 2 | 675,555 + 987 = | |
| | | 1 mark |
| 3 | 2,716 <u>× 7</u> | |
| | | 1 mark |
| 4 | 121,010 - ? = 111,005 | |
| | | 1 mark |
| 5 | 725,305 | |
| | <u>- 359,619</u> | 1 mark |
| 6 | 1,571 ÷ 7 = | |
| | | 1 mark |
| 7 | -12 - 5 = | |
| | | 1 mark |
| 8 | 4,200 ÷ 7 = | |
| | | 1 mark |

| 9 | 40 × 90 - 50 = | |
|----|---------------------|--------|
| | | 1 mark |
| 10 | 820,000 - 405,000 = | |
| | | 1 mark |
| 11 | 4,500 ÷ 300 = | |
| | | 1 mark |
| 12 | 310 - 4 × 60 = | |
| | | 1 mark |
| 13 | 777,999 + 12 = | |
| | | 1 mark |
| 14 | 40 × 120 = | |
| | | 1 mark |
| 15 | 500 × 60 = | |
| | | 1 mark |
| 16 | 4.11 × 1000 = | |
| | | 1 mark |

| 17 | 162.4 ÷ 100 = | |
|----|------------------------------------|---------|
| | | 1 mark |
| 18 | $\frac{1}{3} \times \frac{1}{8} =$ | 1 mark |
| 19 | $0.6 = \frac{?}{50}$ | 1 mark |
| 20 | 0.8 × 8 = | 1 mark |
| 21 | 487 <u>× 39</u> | 2 marks |
| 22 | $80\% = \frac{?}{20}$ | 1 mark |
| 23 | $2^3 + 3^2 + 11^2 =$ | 1 mark |
| 24 | 22.872 + 5.6 = | 1 mark |

| 25 $30 + 6 \times 2 - 5 =$ 26 $\frac{82.99}{\times 9}$ 27 $481.8 - 9.394 =$ 28 $\frac{3196}{\times 48}$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} + \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ 33 $\frac{3}{6} \times 7 =$ 34 $\frac{3}{6} \times 7 =$ 34 $\frac{3}{6} \times 7 =$ 35 $\frac{5}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{5}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{1}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{1}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{1}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{1}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ 31 $\frac{1}{6} \times 7 =$ 32 $\frac{1}{6} \times 7 =$ 33 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 34 $\frac{1}{6} \times 7 =$ 35 $\frac{1}{6} \times 7 =$ 36 $\frac{1}{6} \times 7 =$ 37 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 38 $\frac{1}{6} \times 7 =$ 39 $\frac{1}{6} \times 7 =$ 30 $\frac{1}{6} \times 7 =$ | | | |
|---|----|--------------------------------|---------|
| 26 $\frac{82.99}{x - 9}$ 1 27 $481.8 - 9.394 =$ 1 28 $\frac{3196}{x - 48}$ 1 29 $60.4 \div 8 =$ 1 30 $43\overline{)9875} =$ 1 31 $\frac{3}{4} + \frac{7}{12} =$ 1 32 $\frac{5}{6} \times 7 =$ 1 | 25 | 30 + 6 × 2 - 5 = | |
| 26 $\frac{82.99}{x - 9}$ 1 27 $481.8 - 9.394 =$ 1 28 $\frac{3196}{x - 48}$ 1 29 $60.4 \div 8 =$ 1 30 $43\overline{)9875} =$ 1 31 $\frac{3}{4} + \frac{7}{12} =$ 1 32 $\frac{5}{6} \times 7 =$ 1 | | | |
| $\frac{x 9}{1 \text{ mark}}$ 27 481.8 - 9.394 = 1 mark 28 3196 $\frac{x 48}{48}$ 29 60.4 ÷ 8 = 1 mark 29 60.4 ÷ 8 = 2 marks 29 60.4 ÷ 8 = 2 marks 30 43)9875 = 31 $\frac{3}{4} + \frac{7}{12} =$ 32 marks 32 $\frac{5}{6} \times 7 =$ 34 35 36 31 35 36 37 37 36 31 37 37 38 38 39 39 39 39 39 39 39 39 39 39 39 39 39 | | | 1 mark |
| $\frac{x 9}{1 \text{ mark}}$ 27 481.8 - 9.394 = 1 mark 28 3196 $\frac{x 48}{48}$ 29 60.4 ÷ 8 = 1 mark 30 43)9875 = 31 $\frac{3}{4} + \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ 34 35 35 36 37 37 37 38 37 39 39 39 30 30 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30 | 20 | 82.00 | |
| 27 $481.8 - 9.394 =$ 28 3196 $\times 48$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} \div \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ | 26 | | |
| 27 $481.8 - 9.394 =$ 28 3196 $\times 48$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} \div \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ | | | |
| 1 | | | 1 mark |
| 28 3196 1 mark 28 3196 2 29 $60.4 \div 8 =$ 1 30 $43\overline{)9875} =$ 1 31 $\frac{3}{4} + \frac{7}{12} =$ 1 32 $\frac{5}{6} \times 7 =$ 1 | 27 | 481.8 - 9.394 = | |
| 28 $\frac{3196}{x \cdot 48}$ | | | |
| 28 $\frac{3196}{x \cdot 48}$ | | | |
| $\frac{x - 48}{2 \text{ marks}}$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} \div \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ | | | 1 mark |
| $\frac{x - 48}{2 \text{ marks}}$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} + \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ | 28 | 3196 | |
| 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} \div \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$ 50 $1 \times $ | | <u>× 48</u> | |
| 29 $60.4 \div 8 =$ | | | |
| $ \begin{array}{c c} 30 & 43 \overline{\smash{\big)}9875} = & & & & \\ 31 & \frac{3}{4} + \frac{7}{12} = & & & \\ 32 & \frac{5}{6} \times 7 = & & & \\ \end{array} $ | | | 2 marks |
| $ \begin{array}{c c} & & & & & & \\ 30 & 43 \overline{\smash{\big)}}9875} = & & & & & \\ & & & & & \\ 31 & \frac{3}{4} + \frac{7}{12} = & & & \\ & & & & \\ 32 & \frac{5}{6} \times 7 = & & & \\ \end{array} $ | 29 | 60.4 ÷ 8 = | |
| 30 $43\overline{)9875} =$ | | | |
| 30 $43\overline{)9875} =$ | | | |
| $31 \frac{3}{4} + \frac{7}{12} =$ $32 \frac{5}{6} \times 7 =$ | | | 1 mark |
| $31 \frac{3}{4} + \frac{7}{12} =$ $32 \frac{5}{6} \times 7 =$ | 30 | 43)9875 = | |
| 31 $\frac{3}{4} + \frac{7}{12} =$ | | | |
| 31 $\frac{3}{4} + \frac{7}{12} =$ | | | 2 marks |
| $32 \frac{5}{6} \times 7 =$ | | 3 7 | |
| $32 \frac{5}{6} \times 7 =$ | 31 | $\frac{3}{4} + \frac{7}{12} =$ | |
| $\frac{5}{6} \times 7 =$ | | | |
| $\frac{5}{6} \times 7 =$ | | | 1 mark |
| | 20 | 5 _ | |
| 1 mark | 32 | $\frac{1}{6} \times I =$ | |
| 1 mark | | | |
| | | | 1 mark |

| 33 | $\frac{7}{3} - \frac{4}{5} =$ | 1 mark |
|----|---------------------------------|--------|
| 34 | 98% of 240 = | 1 mark |
| 35 | $\frac{1}{3} \div 3 =$ | 1 mark |
| 36 | $4\frac{1}{3} \times 4 =$ | 1 mark |
| 37 | $2\frac{3}{5} + 1\frac{4}{7} =$ | 1 mark |



Mark scheme

| 1. | 470,888 | [1] | 21. | For 2 marks: 18,993 | [2] |
|-----|-----------------------|-----|-----|---|------|
| 2. | 676,542 | [1] | | For 1 mark: 487 × 39 | |
| 3. | 19,012 | [1] | | 4383 <u>14610</u> | |
| 4. | 10,005 | [1] | | 18993 | ddod |
| 5. | 365,686 | [1] | | An error in one row, then added correctly, or an error in the addition | |
| 6. | 224 r 3 or equivalent | [1] | 22. | <u>16</u> 20 | [1] |
| | e.g. $224\frac{3}{7}$ | | 23. | 138 | [1] |
| 7. | -17 | [1] | 24. | 28.472 | [1] |
| 8. | 600 | [1] | 25. | 37 | [1] |
| 9. | 3,550 | [1] | 26. | 746.91 | [1] |
| 10. | 415,000 | [1] | 27. | 472.406 | [1] |
| 11. | 15 | [1] | 28. | For 2 marks: 153,408 | [2] |
| 12. | 70 | [1] | | For 1 mark: 3196 <u>× 48</u> | |
| 13. | 778,011 | [1] | | 25568 <u>127840</u> | |
| 14. | 4,800 | [1] | | <u>153408</u> An error in one row, then ad | ddad |
| 15. | 30,000 | [1] | | correctly, or an error in the | |
| 16. | 4,110 | [1] | 29. | 7.55 | [1] |
| 17. | 1.624 | [1] | 30. | For 2 marks: | [2] |
| 18. | $\frac{1}{24}$ | [1] | | 229 rem 28 or equivalent For 1 mark: | |
| 19. | $\frac{30}{50}$ | [1] | | Evidence of either long division or short division method with only one | |
| 20. | 6.4 | [1] | | error (carry figures must be seen in a short divisio method). | n |

31. $1\frac{1}{3}$ or equivalent [1] e.g. $\frac{16}{12}$, $1\frac{4}{12}$ **32.** $5\frac{5}{6}$ or equivalent [1] e.g. $\frac{35}{6}$

- **33.** $1\frac{8}{15}$ or equivalent [1] e.g. $\frac{23}{15}$
- **34.** 235.2 [1]

35.
$$\frac{1}{9}$$
 [1]

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36.
$$17\frac{1}{3}$$
 or equivalent [1]
e.g. $\frac{52}{3}$

Do not accept unconventional mixed numbers e.g. $16\frac{4}{3}$

37.
$$4\frac{6}{35}$$
 or equivalent [1]
e.g. $\frac{146}{35}$

Do not accept unconventional mixed numbers e.g. $3\frac{41}{35}$