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
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1       1			1 mark
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28 $\frac{3196}{x \cdot 48}$			
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$\frac{x - 48}{2 \text{ marks}}$ 29 $60.4 \div 8 =$ 30 $43\overline{)9875} =$ 31 $\frac{3}{4} + \frac{7}{12} =$ 32 $\frac{5}{6} \times 7 =$	28	3196	
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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, <b>or</b> 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, <b>or</b> 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.  $3\frac{41}{35}$