$\qquad$
11-PLUS SATS

4) $\quad 5 \frac{2}{6}-3 \quad \frac{2}{7}$

Answer: $\qquad$
7) $\quad 64 / 9 \times 6^{3} / 7$

Answer: $\qquad$
10) A number was shared in the ratio 5:1. The smaller share was 19 . What was the total amount shared?

## Answer:

$\qquad$
13) A number is chosen at random from 1 to 25 . Find the probability of selecting factors of 7 .
2) A number is chosen at random from 1 to 25 . Find the probability of selecting odd number.

Answer: $\qquad$
5) What would you multiply by to increase an amount by $36 \%$ ?

## Answer:

$\qquad$
8) A number is chosen at random from 1 to 25 . Find the probability of selecting multiples of 8 .

## Answer:

$\qquad$
11) What would you multiply by to increase an amount by $31 \%$ ?

## Answer:

$\qquad$
14) Round 6.15005 to the nearest whole number.
3) A number is chosen at random from 1 to 25 . Find the probability of selecting even number.

Answer: $\qquad$

Factorise $7 f^{2}+10 f+3$

Answer: $\qquad$
9) A number was shared in the ratio $20: 10$. The smaller share was 21. What was the larger amount?

Answer: $\qquad$
12)

Find the next three numbers in the sequence
31,26,39,34,47,42,55 $\qquad$

Answer: $\qquad$
15)


Find area of square having each side (s) equals 37 in

Answer: $\qquad$ Answer: $\qquad$
16)

Find the next three numbers in the sequence
0,1,1,2,3,5,8

Answer: $\qquad$
19) $\quad 2 \quad 5 / 9-3 \quad 1 / 9$

Answer: $\qquad$

## 17) $10 / 6-2 / 10$

Answer: $\qquad$
20) Round 24.248025 to 5 significant figures.
18)


Find area of triangle $\mathrm{h}=63 \mathrm{ft}, \mathrm{a}=89 \mathrm{ft}$, $\mathrm{b}=98 \mathrm{ft}, \mathrm{c}=100 \mathrm{ft}$
Answer: $\qquad$
$\qquad$

Total: $\qquad$ / 20

## Answers:

| 1) Right | 2) $12 / 25$ | 3) $12 / 25$ | 4) $2 \frac{1}{1 / 21}$ | 5) 1.36 | 6) $(1 \mathrm{f}+1)(\mathrm{f}+3)$ | 7) $413 / 7$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8) $3 / 25$ | 9) 42 | 10) 114 | 11) 1.31 | 12) $50,63,58$, | 13) $\frac{0}{1}$ | 14) 6 |
| 15) 1369in | 16) $13,21,34$, | 17) $17 / 15$ | 18) 3087 ft | 19) $15 / 9$ | 20) 24.248 |  |

